



# National Museum of Health and Medicine

## Otis Historical Archives

### OHA 137 Clay Adams Co. Slide Sets

**Date of Records:** 1962

**Size:** .5 Cubic Feet, 1 Box

**Finding Aid:** Revised by Eric W. Boyle (2014)

**Access and Use:** The Otis Historical Archives is committed to providing open access to its collections as far as possible within the limits of privacy and confidentiality. Access to this collection is at the discretion of the Otis Historical Archives and material contained within the records may be subject to review before access is granted.

**Series/Scope and Content Note:** This collection consists of commercial sets of 35mm slides transferred to the Museum from the Center for Advanced Medical Education at the AFIP in 1992. Series are divided by sets, which include a “Medichrome” series on tuberculosis consisting primarily of x-rays and pathological studies of lungs, larynx, and intestines (44 slides); a series on subjects including comparative human, bovine, and avian slides (17) along with epidemiological slides (5), and diagnostic specimens and tests (13); and a “Medichrome” series of brain sections and slice reconstructions (250 slides).

## BOX AND CONTENT LIST

### Box 001:

#### SERIES 001: “MEDICHROME” SERIES MTB TUBERCULOSIS

MTB4. 10: Lung X-ray: TB of lung and lymph nodes, 6 yr old child

MTB4. 11: Lung and lymph nodes, gross sec., TB, 6 mos. old infant, H&E stain

MTB4. 12: Lung, micro. Section, parenchymal focus, TB in child, H&E x 18

MTB4. 13: Tracheobronchial lymph node. H & E x 18, TB infection in lymph node

MTB4. 14: Lung, X-ray, caviation of parenchymal TB in 18 mos old child

MTB4. 15: Lung, X-ray, pulmonary and lymph node TB in an 18 mos old child

MTB4. 16: Lung, X-ray, deposition of calcification, decrease in size of lesions in child in MTB4. 15,



2 yrs later

MTB4. 17: Lung, X-ray, pulmonary TB in infant

MTB4. 18: Lung, X-ray, same patient shown in MTB4. 17, after reaching adult life, showing residual calcification (primary complex)

MTB4. 19: Lung, gr. Sect., healed primary parenchymal focus (apical), 72 yr old white male; small areas of calcification in draining L. nodes; no other TB present

MTB4. 20: Lung, X-ray, acute TB pleurisy with effusion

MTB4. 21: Lung, X-ray, same patient shown in MTB4. 20 after clearing of acute effusion (2 mos.)

MTB4. 22: Lung, X-ray, same patient MTB4 20 and 21, advanced pleurisy with effusion

MTB4. 23: Lung and pleura, micro. set, active TB process near pleura, in position to produce pleurisy by extension, H&E x 18 (See slide MTB4. 7)

MTB4. 24: Lung, X-ray, early TB in adult

MTB4. 25: Lung, gr. Sect, primary TB in adult with caseous foci in lung and adjacent lymph nodes, H E

MTB4. 26: Lung, gross, early TB, adult w/ caseation necrosis & bronchogenic extension to adjacent lung tissue

MTB4. 27: Lung, gr, minimal TB, w. male, 55 yrs. Healed primary complex elsewhere in lung. Two lessons represent active reinfection disease. Cavity in one. H&E

MTB4. 28: Lung, micro, early pneumonia TB lesion in adult. H&E

MTB4. 29: Lung, micro. Progression of lesion shown in MTB4. 28. H & E

MTB4. 30: Lung, micro. further progression of lesion shown in MTB4. 29. H&E

MTB4. 32: Lung, X-ray, same pat, in MTB4. 24, progressive pulmonary TB, bronchogenic extension & cavity formation

MTB4. 33: Lung, gr. early bronchogenic ext. of TB from small area of caseation necrosis with cavity. H&E

MTB4. 34: Lung, gr. ext. bronchogenic ext TB from small cavity. H&E

MTB4. 35: Lung, gross, gelatinous TB pneumonia. H&E

MTB4. 36: Lung, Gr. area of necrotic TB pneumonia (small tuberculoma) H&E

MTB4. 37: Lung, gr, caseous tuberculous pneumonia. H&E

MTB4. 38: Lung, Gr. TB cavity w/ bronchus leading from it. TB of bronchus. Bronchogenic lesions in adjacent lung tissue. H&E

MTB4. 39: Lung. Micro. TB of lung & bronchus. H&E

MTB4. 40: Lung, micro. TB of lung & bronchus. Acid fast bacilli in wall of bronchus. X60

MTB4. 41: Lung, micro. high power from slide MTB4. 40. Acid fast bacilli in wall of bronchus. X450



- MTB4. 45: Lung, TB of lung with ext. to wall of pulm. blood vessel & ulceration of wall. H&E X8
- MTB4. 46: Tuberculosis of lung with broncho-pleural fistula. Gross.
- MTB4. 47: Lung, gross. Top Section viable pleura overlying small cavity. H&E
- MTB4. 48: TB of lung, bronchopleural fistula, and area of underlying necrotic TB. H&E
- MTB4. 49: Lung, TB with cavitation, bronchus leading from cavity communicates w. pleural space  
(broncho-pleural fistula)
- MTB4. 53: Larynx. TB of larynx. H&E
- MTB4. 54: Ileocaecal area, gross. Intestinal tuberculosis.
- MTB4. 55: Ileocaecal area. Intestinal TB. H&E X9 (See also slides MTB4. 8 and 9)
- MTB4. 56: Rectum, gross, TB of rectum.
- MTB4. 57: Intestine, X-ray, barium study showing TB of intestine.

## SERIES 002: TUBERCULOSIS MTB SERIES

- MTB1.1: Human Tuberclle Bacillus, Cultural characteristics at 14 days
- MTB1.2: Human Tuberclle Bacillus, cultural characteristics at 24 days
- MTB1.3: Human Tuberclle Bacillus, strained organism from culture, X450
- MTB1.4: Human TB, electronmicroscopic visualization. X43000
- MTB1.5: Human TB, organisms in inflammatory exudate in lung tissue. X25
- MTB1.6: Human TB, organisms in inflammatory exudate in lung. X400
- MTB1.7: Human TB, organisms within giant cell. X450
- MTB1.8: Bovine TB, culture—14 days
- MTB1.9: Bovine TB, culture—24 days
- MTB1.10: Bovine TB, strained organisms from culture. X450
- MTB1.11: Avian TB, culture—15 days
- MTB1.12: Avian TB, culture—24 days
- MTB1.13: Avian TB, strained organisms from culture. X450
- MTB1.14: Myobacterium leprae, strained organisms form skin lesion. X450
- MTB1.15: Smegma, strained organisms. X400
- MTB1.16: Phlei, culture—14 days
- MTB1.17: Phlei, strained organisms from culture. X450



### Epidemiology

- MTB2.1: TB death rates, US, male & female, 1900-1941
- MTB2.2: TB death rates, white & negro males and females, 1940
- MTB2.3: TB death rates, US, males and females by age, 1940
- MTB2.4: TB death rates per 100,000 population among residents of each state, 1944
- MTB2.5: TB death rate from Health Center Districts, New York City, 1940-1944

### Diagnosis

- MTB5.1: Specimen of TB sputum (mucopurulent)
- MTB5.2: Specimen, TB sputum, containing purulent material, mucus, gross blood
- MTB5.3: Characteristic three layered sputum from lung abscess
- MTB5.4: Sputum, specimen from bronchiectasis. Characteristic two-layer formation.
- MTB5.5: Sputum. Strained smear TB sputum, showing tubercle bacilli. X400
- MTB5.6: Pleural fluid. Amber fluid of TB pleurisy with effusion.
- MTB5.10: Tuberculin test. Intradermal injection of tuberculin.
- MTB5.11: Tuberculin test. Minimal reaction.
- MTB5.12: Tuberculin test. Stronger reaction
- MTB5.15: Patch test. Application of patch test.
- MTB5.15A: Patch test
- MTB5.16: Patch test. Reaction
- MTB5.18: Guinea pig inoculation. Microscopic Section, area of TB. (Positive test)

## **SERIES 003: "MEDICHROME" SERIES MA2 BRAIN SECTIONS AND SLICE RECONSTRUCTIONS**

### **Box 002:**

- MA2/1-MA2/26: A series of color transparencies of the cross sectional atlas of brain stem and spinal cord slide reconstruction from Krieg's "Functional Neuroanatomy"
- MA2/27-MA2/32: Color transparencies of frontal cerebral slices form Krieg's "Functional Neuroanatomy"
- MA2/33-MA2/37: Color transparencies of horizontal cerebral slices form Krieg's "Functional Neuroanatomy"



MA2/38-MA2/48: Color transparencies of slice reconstructions and drawings of sections of human brain stem, sagittal series from Krieg's "Functional Neuroanatomy"

MA2/49-MA2/67: Illustrations from Krieg's "Functional Neuroanatomy" in color transparencies, mostly oblique views of brain stem

MA2/101-MA2/126: Photographs of actual sections of brain stem, selected to correspond to sections 1-26 of Krieg's "Functional Neuroanatomy"

MA2/127-MA2/145: Similar series to above except stained for cells

MA2/147-MA2/200: Photographs of verified samples of human cortical areas

MA2/201-MA2/250: Selected sections from frontal series of human cerebral hemisphere

MA2/252-MA2/268: Series of 17 pairs of frontal sections of monkey brain

MA2/269-MA2/310: The human brain in diachrome

MA2/311-MA2/321: Plates from Krieg's "Polychrome Atlas of the Brain Stem"

MA2/322-MA2/336: Plates from Krieg's "Atlas of Functional Neuroanatomy"

MA2/337-MA2/343: Central portions of slices

MA2/359-MA2/371: Selected sections from frontal series of human hemisphere